

1.-36. (CANCELED)

37. (CURRENTLY AMENDED) A lower leg protective apparel for providing protection from one of chemical and biological noxiants, the lower leg protective apparel having a plurality of plies and comprising:

an outersock (1),

a laminate (2), disposed on an inner side of the outersock (1), which comprises

a single flexible, windproof, breathable and water-rejecting membrane (7) ✓

which forms the outer surface of the laminate (2) and which forms at least a barrier to biological noxiants and at least a partial barrier to liquid chemical noxiants,

a single carbon layer (8) which is disposed underneath the membrane (7) ✓

and which comprises carbon in one of a fibrous form and as active spherules of carbon, ✓

an inner textile ply (9), and

an innersock (3) disposed as a second textile ply on an inner side of the laminate (2),

wherein at least one of the outersock (1) and the innersock (3) is fabricated from a plurality of cuts (4, 5, 6), [[the]] seams between the cuts (4, 5, 6) being sealed by a a seam-sealing tape comprising a waterproof material, and ✓

the outersock (1), the laminate (2) and the innersock (3) are bonded assembled ✓  
to one another as a single unit by at least one of bonding and stitching. ✓

38-40. (CANCELED)

41. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the plurality of plies (1, 2, 3) are sewn together.

42. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 41, wherein the plurality of plies (1, 2, 3) are sewn together at their upper ends and in a foot tip region.

43-44. (CANCELED)

45. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the membrane (7) is microporous.

46. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 45, wherein the membrane (7) comprises polytetrafluoroethylene.

47. (CURRENTLY AMENDED) A lower leg protective apparel for providing protection from at least one of chemical and biological noxiants, the lower leg protective apparel having a plurality of plies and comprising:

an outersock (1), and

a laminate (2), disposed on an inner side of the outersock (1), comprising:

a single flexible, windproof and water-rejecting membrane (7), comprising a polytetrafluoroethylene membrane, which forms the outer surface of the laminate (2) and pores of the membrane (7) have a size such that the pores are pervious to water vapor but the pores are resistant to permeation of biological and chemical noxiants through the pores, ✓

a single carbon layer (8) which is disposed underneath the membrane (7) and which comprises carbon in a fibrous form, and ✓

an inner textile ply (9),

wherein at least the outersock (1) is fabricated from a plurality of cuts (4, 5, 6), and [[the]] seams between the cuts (4, 5, 6) are sealed by a waterproof material; ✓

a thickness of carbon layer (8) is in a range from 0.2 to 1.0 mm; and ✓

the innersock (3) is hydrophilic. ✓

48. (CURRENTLY AMENDED) A lower leg protective apparel for providing protection from one of chemical and biological noxiants, the lower leg protective apparel having a plurality of plies and comprising:

an outersock (1),

a laminate (2), disposed on an inner side of the outersock (1), comprising

a single flexible, windproof and water-rejecting membrane (7) with the membrane (7) being one of a polyester, a polyether and a mixture of a polyester and a polyether and which forms the outer surface of the laminate (2) and which forms at ✓

least a barrier to biological noxiants and at least a partial barrier to liquid chemical noxiants,

a single carbon layer (8) disposed underneath the membrane (7) and which comprises a fabric of one of a woven carbon fiber material and a loop-drawingly knit carbon fiber material, and ✓

an inner textile ply (9),

wherein at least one of the outersock (1) and an innersock (3) is fabricated from a plurality of cuts (4, 5, 6), and seams between the cuts (4, 5, 6) are sealed by a waterproof material; ✓  
✓  
✓

a thickness of carbon layer (8) is in a range from 0.2 to 1.0 mm; and ✓  
the innersock (3) is hydrophilic. ✓

49. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 48, wherein an active surface area of a carbon layer (8) is in a range from 1000 to 1200 m<sup>2</sup>/g.

50. (CURRENTLY AMENDED) The lower leg protective apparel according to claim 37, wherein a thickness of carbon layer (8) is in a range from 0.2 to 1.0 mm and the innersock (3) is hydrophilic. ✓  
✓

51-52. (CANCELED)

53. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the membrane (7) is based on cellophane.

54. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the membrane (7) comprises one of polyvinyl alcohols, polyacrylamides or polyurethane.

55. (CANCELED)

56. (CANCELED)

57. (CANCELED)

58. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the outersock (1) comprises one of wool, cotton, silk, polyester, polypropylene, polyamide, polyacrylic and mixtures thereof.

59. (CURRENTLY AMENDED) The lower leg protective apparel according to claim 37, wherein the inner textile ply (9) in the laminate (2) is one of a woven and a loop-formingly knit fabric. ✓

60. (CURRENTLY AMENDED) The lower leg protective apparel according to claim 37, wherein the innersock (3) is hydrophilic, and  
the innersock (3) comprises one of polypropylene, polyamide, polyester and  
mixtures thereof. ✓  
 ✓

61. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the innersock (3) is made of manufactured fibers.

62. (CURRENTLY AMENDED) The lower leg protective apparel according to claim [[61]] 48, wherein  
 the innersock (3) comprises one of polypropylene, polyamide, polyester and mixtures thereof. ✓

63. (CANCELED)

64. (PREVIOUSLY PRESENTED) The lower leg protective apparel according to claim 37, wherein the innersock (3) is stitched with a fleecy spun yarn to at least one of the other plies (1, 2).

65-70. (CANCELED)

71. (CURRENTLY AMENDED) The lower leg protective apparel according to claim 37, wherein the inner textile ply (9) of the laminate (2) is hydrophilic. ✓

72. (NEW) A lower leg protective apparel for providing protection from one of chemical and biological noxiants, the lower leg protective apparel having a plurality of plies and comprising:

an outersock (1),

a laminate (2), disposed on an inner side of the outersock (1), which comprises

a single flexible, windproof, breathable and water-rejecting membrane (7) which forms the outer surface of the laminate (2) and which forms at least a barrier to biological noxiants and at least a partial barrier to liquid chemical noxiants,

a single carbon layer (8) which is disposed underneath the membrane (7) and which comprises carbon in a fibrous form,

an inner textile ply (9), and

an innersock (3) disposed as a second textile ply on an inner side of the laminate (2),

wherein at least one of the outersock (1) and the innersock (3) is fabricated from a plurality of cuts (4, 5, 6), seams between the cuts (4, 5, 6) being sealed by a seam-sealing tape comprising a waterproof material,

a thickness of carbon layer (8) is in a range from 0.2 to 1.0 mm;

the innersock (3) is hydrophilic and comprises one of polypropylene, polyamide, polyester and mixtures thereof; and

the outersock (1), the laminate (2) and the innersock (3) are bonded to one another as a single unit.